

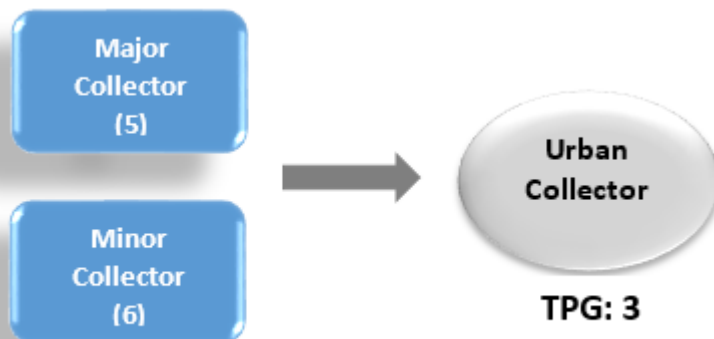
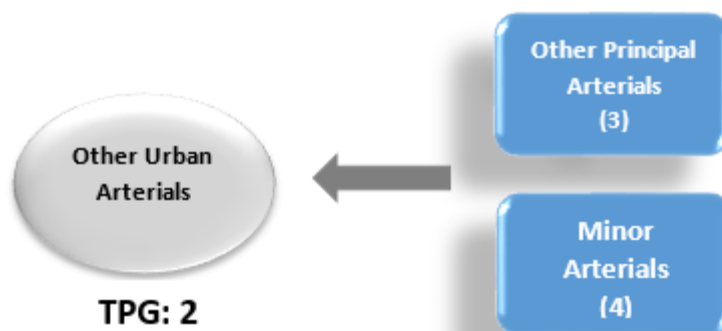
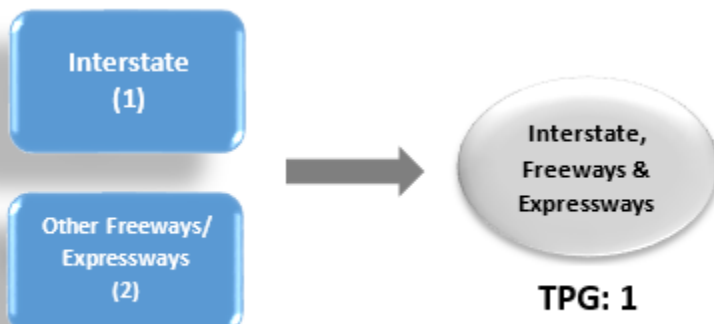
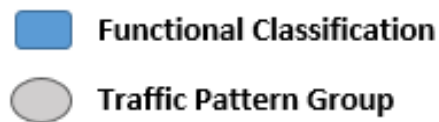
Diurnal Distribution of Traffic

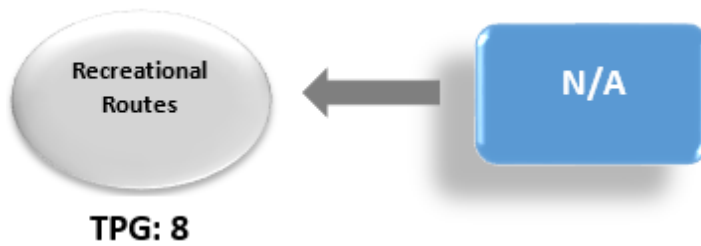
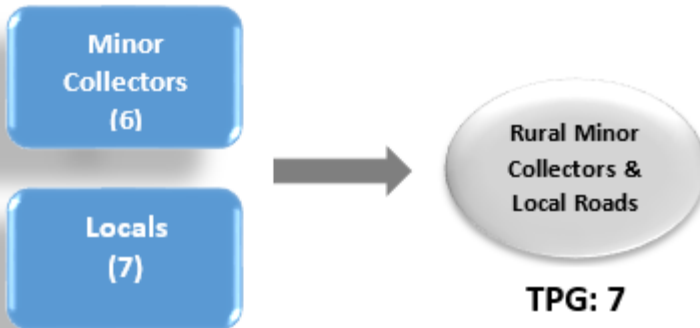
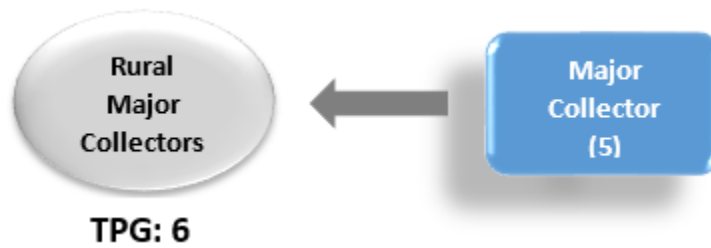
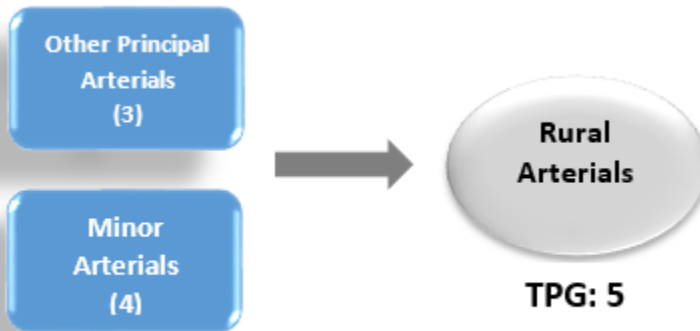
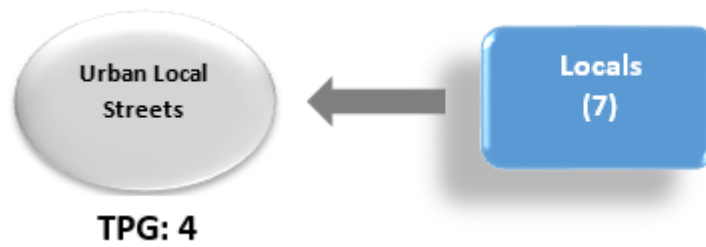
Again from the database of ATR stations, the hour-by-hour distribution of AADT over the 24- hour period was computed for each **Functional Classification**. The computations were made separately for weekday and weekend traffic only, and for the total traffic. These tables can be found below.

As previously explained, when the diurnal distribution of traffic on a roadway segment or link is required, it is necessary to find the **Traffic Pattern Group (TPG)** or **Functional Classification** to which the roadway segment belongs. Then referring to the aforesaid tables, the hour by hour distribution of AADT over the 24-hour period can be obtained for that roadway segment.

NOTE: Diurnal tables have changed from previous years. The tables are now listed under Functional Classification instead of Traffic Pattern Groups. Below is a chart showing the relation between Func Class and Traffic Pattern Group.

Relation between Functional Classification and Traffic Pattern Group





Annual Average Hourly Distribution By Functional Class for Week Days 2009

	R3	R4	R5	R6	R7	U1	U2	U3	U4	U5
	Rural Principal	Rural Minor	Rural Major	Rural Minor	Rural Local	Urban Interstate	Urban Principal	Urban Principal	Urban Minor	Urban Major
0	2.37	0.67	0.45	0.54	0.69	75.99	79.46	0.61	11.17	0.64
1	0.50	0.50	0.30	0.37	0.37	0.21	0.08	0.40	0.44	0.37
2	0.50	0.47	0.27	0.48	0.28	0.19	0.07	0.34	0.37	0.38
3	0.68	0.67	0.37	0.77	0.31	0.25	0.08	0.43	0.44	0.57
4	1.26	1.38	0.77	1.49	0.85	0.43	0.15	0.87	0.74	1.25
5	2.81	3.38	1.90	3.03	2.11	0.93	0.38	2.09	1.67	2.91
6	5.30	6.40	4.72	5.73	4.45	1.49	1.01	4.60	3.51	5.07
7	6.67	6.89	6.61	7.23	6.33	1.60	1.54	6.60	5.61	6.37
8	5.79	5.51	6.09	5.43	5.38	1.53	1.24	6.05	5.24	5.65
9	5.37	4.84	5.73	4.84	4.49	1.31	1.15	5.32	4.50	5.13
10	5.53	4.90	5.93	4.91	4.89	1.20	1.21	5.43	4.64	5.34
11	5.84	5.10	6.34	5.22	5.52	1.21	1.25	5.85	5.36	5.78
12	5.98	5.31	6.53	5.48	5.83	1.24	1.27	6.16	5.89	5.97
13	6.05	5.47	6.60	5.59	6.14	1.28	1.24	6.13	5.63	6.17
14	6.49	6.16	7.08	6.08	6.65	1.44	1.35	6.60	5.86	6.91
15	7.36	7.59	7.74	7.40	8.95	1.59	1.55	7.36	6.68	7.83
16	7.78	8.40	8.08	8.65	9.92	1.68	1.67	7.93	7.46	8.23
17	6.93	8.09	7.45	8.58	8.92	1.64	1.58	7.78	7.08	7.25
18	4.98	5.79	5.20	5.85	5.96	1.29	1.08	5.93	5.21	5.45
19	3.68	3.92	3.92	4.23	4.11	0.98	0.83	4.47	4.01	4.17
20	3.05	3.22	3.11	3.30	3.22	0.83	0.69	3.58	3.25	3.25
21	2.36	2.44	2.38	2.38	2.21	0.70	0.53	2.68	2.42	2.38
22	1.62	1.73	1.52	1.54	1.46	0.55	0.36	1.74	1.66	1.75
23	1.10	1.16	0.91	0.88	0.97	0.42	0.22	1.08	1.17	1.20

Annual Average Hourly Distribution By Functional Class for Weekends 2017

	R3	R4	R5	R6	R7	U1	U2	U3	U4	U5
	Rural Principal	Rural Minor	Rural Major	Rural Minor	Rural Local	Urban Interstate	Urban Principal	Urban Principal	Urban Minor	Urban Major
0	2.92	1.30	1.02	1.04	1.08	77.48	78.60	1.21	13.78	1.39
1	0.81	0.88	0.69	0.67	0.69	0.31	0.15	0.84	1.14	0.95
2	0.63	0.66	0.45	0.54	0.51	0.25	0.11	0.55	0.75	0.64
3	0.59	0.59	0.34	0.48	0.39	0.22	0.08	0.44	0.60	0.60
4	0.75	0.85	0.47	0.62	0.68	0.25	0.09	0.55	0.62	0.82
5	1.28	1.49	0.92	1.04	1.27	0.35	0.16	0.94	0.98	1.56
6	2.16	2.52	1.84	1.91	2.07	0.51	0.33	1.76	1.55	2.28
7	3.24	3.30	3.17	2.97	2.76	0.66	0.58	2.83	2.17	3.15
8	4.53	4.35	4.69	4.39	4.00	0.90	0.92	4.21	3.16	4.32
9	5.89	5.56	6.10	5.89	5.23	1.17	1.29	5.69	4.34	5.71
10	6.93	6.46	7.03	6.78	6.35	1.37	1.62	6.84	5.40	6.60
11	7.44	6.90	7.71	7.37	7.59	1.49	1.76	7.51	6.21	7.19
12	7.62	7.35	7.98	7.75	7.64	1.54	1.75	7.88	6.76	7.48
13	7.51	7.35	7.70	7.53	7.83	1.55	1.69	7.74	6.78	7.59
14	7.32	7.31	7.58	7.35	7.94	1.54	1.62	7.61	6.73	7.53
15	7.15	7.31	7.54	7.51	8.36	1.57	1.61	7.48	6.62	7.32
16	6.82	7.10	7.20	7.36	7.74	1.55	1.54	7.22	6.40	7.03
17	6.31	6.90	6.66	7.01	7.45	1.47	1.42	6.71	5.88	6.56
18	5.48	6.15	5.66	5.98	6.16	1.38	1.26	5.92	5.28	5.71
19	4.52	4.75	4.80	5.03	4.72	1.20	1.08	4.96	4.41	4.62
20	3.69	3.92	3.85	3.98	3.60	1.06	0.91	4.05	3.63	3.77
21	2.90	3.11	3.04	3.12	2.61	0.91	0.69	3.18	2.90	3.03
22	2.09	2.31	2.17	2.26	1.90	0.73	0.45	2.33	2.25	2.43
23	1.41	1.58	1.39	1.40	1.45	0.54	0.29	1.55	1.67	1.74

Annual Average Hourly Distribution By Functional Class for All Days 2017

	R3	R4	R5	R6	R7	U1	U2	U3	U4	U5
	Rural Principal	Rural Minor	Rural Major	Rural Minor	Rural Local	Urban Interstate	Urban Principal	Urban Principal	Urban Minor	Urban Major
0	2.47	0.84	0.61	0.67	0.79	76.21	78.62	0.77	11.69	0.83
1	0.58	0.60	0.40	0.45	0.46	0.24	0.10	0.52	0.63	0.52
2	0.53	0.52	0.32	0.49	0.35	0.21	0.08	0.39	0.47	0.45
3	0.65	0.65	0.36	0.67	0.34	0.24	0.08	0.43	0.48	0.58
4	1.09	1.22	0.68	1.20	0.80	0.37	0.13	0.77	0.70	1.13
5	2.30	2.82	1.61	2.37	1.86	0.75	0.31	1.73	1.47	2.53
6	4.27	5.25	3.88	4.48	3.61	1.19	0.80	3.72	2.95	4.29
7	5.53	5.82	5.60	5.86	5.13	1.32	1.24	5.43	4.63	5.47
8	5.30	5.14	5.64	5.01	4.88	1.33	1.13	5.45	4.64	5.26
9	5.44	5.00	5.78	5.07	4.67	1.26	1.19	5.38	4.44	5.26
10	5.89	5.30	6.19	5.40	5.32	1.26	1.34	5.80	4.84	5.66
11	6.27	5.58	6.69	5.84	6.13	1.31	1.43	6.30	5.58	6.15
12	6.45	5.86	6.90	6.19	6.40	1.35	1.44	6.63	6.12	6.36
13	6.48	5.98	6.88	6.21	6.68	1.39	1.42	6.59	5.95	6.54
14	6.75	6.48	7.20	6.53	7.12	1.49	1.48	6.89	6.11	7.06
15	7.30	7.51	7.67	7.47	8.74	1.60	1.62	7.39	6.66	7.66
16	7.49	8.01	7.79	8.24	9.18	1.64	1.68	7.69	7.15	7.86
17	6.78	7.74	7.22	8.11	8.39	1.59	1.58	7.43	6.72	7.03
18	5.25	5.94	5.39	5.98	6.05	1.33	1.21	5.98	5.27	5.54
19	4.07	4.22	4.22	4.53	4.41	1.08	0.98	4.68	4.18	4.33
20	3.35	3.46	3.39	3.57	3.40	0.93	0.82	3.78	3.40	3.43
21	2.63	2.71	2.66	2.70	2.42	0.79	0.64	2.92	2.64	2.63
22	1.86	1.98	1.81	1.85	1.69	0.63	0.43	2.01	1.91	2.01
23	1.26	1.35	1.12	1.10	1.19	0.48	0.27	1.29	1.38	1.41